

Voyager 1  
High Resolution Solar Wind Data  
77-084A-060

The data were written to CD-Write Once media in ASCII format with a filename format of V1\_HIRES\_yyyy.ASC, each covering one year of data for year "yyyy".

The CD-Write Once KD and KW number along with the corresponding time span is as follows:

KD#	KW#	TIME SPAN
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KD022364	KW000193	09/07/1977 - 12/31/1980

File: VY1PLA\_HIRES\_FMT.txt

Version: 12/30/98 MIT

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The files in this directory contain the Voyager fine resolution plasma data. The plasma parameters are obtained by finding the best fit of a convected isotropic Maxwellian distribution to the data. One sigma errors are typically less than 0.5% in the speed and VR, less than 5% for the density and thermal speed, and vary greatly for VT and VN. Sampling times range from 12 to 192 sec., with sampling generally more frequent early in the mission. The columns are:

- 1) Year
- 2) day of year (day 1 is Jan. 1)
- 3) decimal hour
- 4) proton speed in km/s (magnitude of V)
- 5) proton density in cm<sup>-3</sup>
- 6) proton thermal speed in km/s (proton temperature in eV = .0052 times the square of the thermal speed)
- 7) VR
- 8) VT (WARNING: this parameter is often NOT reliable after 1989)
- 9) VN (WARNING: this parameter is often NOT reliable after 1989)

The velocity components are given in the RTN coordinate system, where R is radially outward, T is in a plane parallel to the solar equatorial plane and positive in the direction of solar rotation, and N completes a right-handed system.

Please consult with us, or at least send preprints, when you use this data to prevent grievous errors or misconceptions. (John Richardson, jdr@space.mit.edu)

Voyager 2  
High Resolution Solar Wind Data  
77-076A-06T

The data were written to CD-Write Once media in ASCII format with filename formats of V2\_HIRES\_yyy.ASC, each covering one year of data for year "yyyy". Originally the data had been stored on 4-mm and 8-mm cartridge tapes, DD109277 and DC033155. Since originally processed, updated data has been received and has been fully reingested onto CD-Write Once media.

The CD-Write Once KD and KW number along with the corresponding time span is as follows:

KD#	KW#	TIME SPAN
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KD022366	KW000195	08/21/1977 - 09/15/2004

File: VY2PLA\_HIRES\_FMT.txt

Version: NSSDC 12/31/98 MIT

The files in this directory contain the Voyager fine resolution plasma data. The plasma parameters are obtained by finding the best fit of a convected isotropic Maxwellian distribution to the data. One sigma errors are typically less than 0.5% in the speed and VR, less than 5% for the density and thermal speed, and vary greatly for VT and VN. Sampling times range from 12 to 192 sec., with sampling generally more frequent early in the mission. The columns are:

- 1) Year
- 2) day of year (day 1 is Jan. 1)
- 3) decimal hour
- 4) proton speed in km/s (magnitude of V)
- 5) proton density in cm<sup>-3</sup>
- 6) proton thermal speed in km/s (proton temperature in eV = .0052 times the square of the thermal speed)
- 7) VR
- 8) VT (WARNING: this parameter is often NOT reliable after 1989)
- 9) VN (WARNING: this parameter is often NOT reliable after 1989)

The velocity components are given in the RTN coordinate system, where R is radially outward, T is in a plane parallel to the solar equatorial plane and positive in the direction of solar rotation, and N completes a right-handed system.

Please consult with us, or at least send preprints, when you use this data to prevent grievous errors or misconceptions. (John Richardson, jdr@space.mit.edu)